

French Patent Application
for
**Process and device for the detection of hydrocarbons in
a gas**

on behalf of:

L'AIR LIQUIDE, SOCIETE ANONYME A DIRECTOIRE ET CONSEIL
DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES
PROCEDES GEORGES CLAUDE

Invention of: Francis BRYSELBOUT

ABSTRACT

The invention relates to a process for the detection of hydrocarbons other than methane in a gas predominantly or essentially comprising oxygen, as well as methane and the said hydrocarbons other than methane, the said process comprising:

- a stage of detection of the combined hydrocarbons in the said gas, providing a first value for the combined hydrocarbons,
- a stage of combustion of the hydrocarbons other than methane,
- a stage of detection of methane in the said gas, providing a second value,
- a stage of calculation of the amount of hydrocarbons other than methane by the difference between the first value and the second value.

The invention also relates to a device for implementing this process.

Figure 1